

# Specifications — VSC 700, VSC 700D Scan Converters

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## Video input

Number/signal type.....	1 RGBHV, RGBS, RGsB with 1 buffered loop-through
Connectors .....	2 x 5 female BNC (5 for input, 5 for loop-through)
Nominal level .....	0.7 Vp-p for RGB
Minimum/maximum levels.....	0 V to 2.0 Vp-p with no offset at unity gain
Impedance.....	75 ohms
Horizontal frequency.....	Autoscan 24 kHz to 100 kHz
Vertical frequency.....	Autoscan 50 Hz to 120 Hz
Resolution range .....	Autoscan 560 x 384 to 1600 x 1200
DC offset (max. allowable).....	2.0 V
External sync (genlock) .....	0.3 V to 1.0 Vp-p

## Video processing

Encoder.....	10 bit digital
Digital sampling.....	24 bit, 8 bits per color
Colors.....	16.8 million
Horizontal filtering .....	4 levels
Flicker filtering .....	4 levels
Encoder filtering.....	4 levels

## Video output

Number/signal type.....	1 RGBHV, RGBS, RGsB, or component video 1 SDI component video (VSC 700D only) 1 S-video 1 NTSC/PAL composite video
Connectors .....	5 BNC female: RGBHV/RGBS/RGsB/component video 1 BNC female: SDI component video (VSC 700D only) (1) 4-pin mini-DIN female: S-video 1 BNC female: composite video
Nominal level .....	0.7 Vp-p for RGB
Minimum/maximum levels.....	0.0 V to 1.0 Vp-p
Impedance.....	75 ohms

## Sync

Input type.....	Autodetect RGBHV, RGBS, RGsB
Output type.....	RGBHV, RGBS, RGsB
Genlock connectors.....	1 BNC female: genlock input 1 BNC female: genlock output (terminate w/75 ohms if unused)
Standards.....	NTSC 3.58, PAL
Input level .....	1.5 V to 5.0V p-p
Output level .....	TTL: 5.0V p-p, unterminated
Input impedance .....	600 ohms
Output impedance .....	75 ohms
Max. input voltage .....	5.0 Vp-p
Polarity.....	Negative

## Control/remote — scan converter

Serial control port.....	RS-232 or RS-422, 9-pin female D connector
Baud rate and protocol.....	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations.	RS-232: 2 = TX, 3 = RX, 5 = GND, 9 = hard-wired IR RS-422: 2 = Tx-, 3 = Rx-, 5 = GNC, 7 = Rx+, 8 = Tx+
IR controller module.....	VSC Remote
Program control.....	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™)

# Specifications — VSC 700, VSC 700D Scan Converters, cont'd

## General

Power .....	100 VAC to 240 VAC, 50/60 Hz, 30 watts, internal
Temperature/humidity .....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling .....	Convection, no vents
Mounting	
Rack mount .....	Yes, with optional 1U, 9.5" deep rack shelf, part # 60-190-01 (RSU 129) or 60-604-01 (RSB 129)
Enclosure type .....	Metal
Enclosure dimensions	
VSC 700.....	1.75" H x 8.75" W x 10.5" D (1U high, half rack wide) (4.4 cm H x 22.2 cm W x 26.7 cm D) (Depth excludes knobs.)
VSC 700D.....	1.75" H x 8.75" W x 10.75" D (1U high, half rack wide) (4.4 cm H x 22.2 cm W x 27.3 cm D) (Depth excludes knobs.)
Product weight	
VSC 700.....	2.8 lbs (1.3 kg)
VSC 700D.....	2.9 lbs (1.3 kg)
Shipping weight .....	5 lbs (3 kg)
Vibration.....	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety.....	CE, CUL, UL
EMI/EMC .....	CE, C-tick, FCC Class A, ICES, VCCI
MTBF.....	30,000 hours
Warranty .....	3 years parts and labor

**NOTE** All nominal levels are at ±10%.

**NOTE** Specifications are subject to change without notice.

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